

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.(Currently Amended) A sintered body of gastight polycrystalline aluminum oxide containing magnesium in oxidic form and a second metal M in oxidic form, wherein the second metal M is selected from erbium, holmium and thulium, and the aluminum oxide further comprises zirconium in oxidic form, the magnesium being calculated as MgO and being present in a quantity by weight of 50 to 1000 ppm, the second metal being calculated as M_2O_3 and being present in a quantity by weight of 10 to 100 ppm, and zirconium being calculated as ZrO_2 and being present in a quantity by weight of 50 to 600 ppm.

2.(Previously Presented) The sintered body as claimed in claim 1, wherein the MgO is present in a quantity by weight of 50 to 500 ppm, the M_2O_3 is present in a quantity by weight of 20 to 50 ppm, and the ZrO_2 is present in a quantity by weight of 200 to 500 ppm.

3.(Currently Amended) A sintered body of gastight polycrystalline aluminum oxide containing magnesium in oxidic form and a second metal M in oxidic form, wherein the second metal M is selected from erbium, holmium and thulium, and the aluminum oxide further comprises zirconium in oxidic form, the magnesium being calculated as MgO and being present in a quantity by weight of 50 to 500 ppm, the second metal being calculated as M_2O_3 and being present in a quantity by weight of 30 to 50 ppm, and zirconium being calculated as ZrO_2 and being present in a quantity by weight of 200 to 400 ppm.

4.(Currently Amended) An electric lamp comprising a lamp vessel of gastight polycrystalline aluminum oxide containing magnesium in oxidic form and a second metal M in oxidic form, wherein the second metal M is selected from erbium, holmium and thulium, and the aluminum oxide further comprises zirconium in oxidic form, the magnesium being calculated as MgO and being present in a quantity by weight of 50 to 1000 ppm, the second metal being calculated as M₂O₃ and being present in a quantity by weight of 10 to 100 ppm, and zirconium being calculated as ZrO₂ and being present in a quantity by weight of 50 to 600 ppm.

5.(Previously Presented) The electric lamp as claimed in claim 4, wherein the MgO is present in a quantity by weight of 50 to 500 ppm, the M₂O₃ is present in a quantity by weight of 20 to 50 ppm, and the ZrO₂ is present in a quantity by weight of 200 to 500 ppm.

6.(Previously Presented) The electric lamp as claimed in claim 4, wherein the MgO is present in a quantity by weight of 50 to 500 ppm, the M₂O₃ is present in a quantity by weight of 30 to 50 ppm and the ZrO₂ is present in a quantity by weight of 200 to 400 ppm.